

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant

Treatment of chronic dysentery in children by the combined method.
Med.zhur.Uzb. no.5:27-29 My '58. (MIRA 13:6)

1. Iz kafedry detskikh bolezney (sav. - dotsent M.A. Mirzamukha-
medov) Samarkandskogo gosudarstvennogo meditsinskogo instituta
imeni I.P. Pavlova.

(DYSENTERY) (ANTIBIOTICS)

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant

Combined antibiotic treatment of acute dysentery in young children.
Med.zhur.Uzb. no.1:66 Ja '59. (MIRA 13:2)
(DYSENTERY) (ANTIBIOTICS)

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant; SALIKHBAYEVA, G.,
klinicheskiy ordinator

Course of dysentery in children affected with rickets. Med. zhur.
Uzb. no.2:67 F '60. (MIRA 15:2)
(DYSENTERY) (RICKETS)

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant

Study of recurrences of tuberculous meningitis. Med. zhur. Uzb.
no.12:29-31 D '60. (MIRA 14:1)

1. Iz kliniki detskikh bolezney (zav. - dotsent M.A.Mirzamukhamedov)
Samarkandskogo gosudarstvennogo meditsinskogo instituta imeni
I.P.Pavlova.

(MENINGES—TUBERCULOSIS)

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant; SABIROVA, R.S.,
ord.; SALAKHUTDINOVA, Kh.S.

Clinical statistical data on rheumatic fever in children during
the period 1955-1960. Med. zhur. Uzb. no.1:31-34 Ja '62.
(MIRA 15:3)

1. Iz kafedry detskikh bolezney Samarkandskogo gosudarstvennogo
meditsinskogo instituta imeni I.P. Pavlova.
(RHEUMATIC FEVER)

KARAKHODZHAYEV, B., dotsent

Report on the work of the Samarkand Society of Pediatricians.
for 1962. Med. zhur. Uzb. no.7:84-85 J1 '63.

(MIRA 17:2)

KARAKHODZHAYEV, B., dotsent; VYAZIKOV, F.S., assistant

Course of dysentery in children with otitis. Nauch. trudy SanMI
21:33-35 '62. (MIRA 17:5)

1. Iz kafedry detskikh bolezney Samarkandskogo meditsinskogo
instituta imeni Pavlova.

MIRZOYAN, N.A., prof.; KARAKHODZHAYEV, B.Kh., dotsent

Comparative results of treating visceral leishmaniasis with
varying doses of solusurmin. Nauch. trudy SamMI 23:25-26'63
(MIRA 17:3)

Causes and sequelae of insufficient treatment of visceral
leishmaniasis. Ibid. 27-32

1. Iz kafedry fakul'tetskoy terapii i kliniki detskikh bolez-
ney Samarkandskogo meditsinskogo instituta.

REZNIK, B.Ya.; KARAKHOVSKAYA, S.B. [Karakhovs'ka, S.B.]

Practices of the section for treating poliomyelitis patients during recovery. Ped., akush. i gin. 19 no.4:8-11 '57. (MIRA 13:1)

1. Kadiyevskaya gorodskaya detskaya bol'nitsa (glavnyy vrach - R.I. Gensiyevskaya).

(KADIVKA--POLIOMYELITIS)

L 15988-66 EWT(m)/EWP(t) IJP(c) JD/JG/GS

ACC NR: AT6005602

SOURCE CODE: UR/0000/64/000/000/0193/0196

AUTHOR: Frumina, N. S.; Mustafin, I. S.; Agranovskaya, L. A.; Karakhtanova, Z. G.

ORG: Saratov State University (Saratovskiy gosudarstvennyy universitet)

TITLE: Determination of noble and certain other metals in protective and antithermoemissive coatings

SOURCE: Vsesoyuznaya konferentsiya rabotnikov metallurgicheskoy i khimicheskoy promyshlennosti i sotrudnikov vuzov. Rostov-on-Don, 1962. Peredovyye metody khimicheskoy tekhnologii i kontrolya proizvodstva (Progressive methods of chemical engineering and production control); trudy konferentsii. Rostov-on-Don, Izd-vo Rostovskogo univ., 1964, 193-196

TOPIC TAGS: gold, tungsten, copper alloy, nickel alloy, aluminum alloy, tin alloy, protective coating, quantitative analysis

ABSTRACT: Analytical methods were developed for determining the quality and thickness of protective coatings made of copper-nickel, copper-aluminum, tin-nickel, tin-copper, and gold and used on tungsten and molybdenum articles. After reduction of

Card 1/2

KARAKIN, F.F., YAROVICHIN, V.YE.

Peat Industry

Operation of high-pressure peat pumps in 1950-51. Torf. prom. 29 no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

1. KARAKIN, F. F., Engs.: YAROVITSIN, V. I.
2. USSR (600)
4. Peat Industry
7. Performance of machines for rolling pipes at enterprises of the Ivanovo peat trust. Torf. prom., 29 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953.
Unclassified.

SHABLINSKIY, Vladimir Varfolomeyevich; KARAKIN, F.F., redaktor; LARIONOV,
G.Ye., tekhnicheskiy redaktor.

[Water supply for industrial and fire-fighting uses in the peat
industry] Proizvodstvennoe i protivopozharnoe vodosnabzhenie
torfopredpriatii. Moskva, Gos. energ. izd-vo, 1955. 163 p.
(Peat industry) (Water supply) (MIRA 9:4)

BAUSIN, A.F.; SOKOLOV, A.A.; ANTONOV, V.Ya.; KURDYUMOV, S.V.; BEL'KEVICH, P.I.; SAVINYKH, A.I.; KARAKIN, F.F.; SOLOPOV, S.G.; YEFIMOV, V.S.; YARIVITSIN, V.I.; RABKIN, B.A.; BABARIN, A.F.; MATVEYEV, L.M.; FUNKOV, S.A.; CHERNENKOV, D.P.; BULAYEVSKIY, N.V.; kandidat tekhnicheskikh nauk; SHINKARINK, K.K.; TSUPROV, S.A.; GINZBURG, L.N.; VASIL'YEV, Yu.K.

Scientific and technical conference on the work of the peat industry of the Ministry of Electric Power Stations. Torf.prom. 32 no.2:1-20 '55. (MLRA 8:5)

1. Zamestitel' ministra elektrostantsiy (for Bausin).
2. Zamestitel' direktora VNIITP (for Sokolev).
3. Zamestitel' direktora MTI (for Antonov).
4. Zamestitel' direktor "Khimfaktopprom" (for Kurdyumov).
5. Direktor Instituta torfa AN BSSR (for Bel'kevich).
6. Nachal'nik Glavenergozapchasti MES (for Savinykh).
7. Glavnyy inzhener Ivanovskogo torfotresta (for Karakin).
8. Zamestitel' direktora MTI (for Solopov).
9. Upravlyayushchiy Shaturskogo torfotresta (for Yefimov).
10. Glavnyy mekhanik Inyansovskogo torfotresta (for Yarovitsin).
11. Glavnyy mekhanik Leningradskogo torfotresta (for Rabkin).
12. Glavnyy inzhener Ozeretsko-Neplyuyevskogo torfopredpriyatiya (for Babarin).
13. Glavnyy inzhener Ger'kovskogo torfotresta (for Matveyev).
14. Rukovoditel' laboratorii VNIITP (for Funkov).
15. Glavnyy inzhener tresta Lentsorostroy (for Chernenkov).

(Continued on next card)

KARAKIN, F.F., inshener

Production of sand and asphalt pipes for side-drain bridges.

Torf. prom. 34 no.3:22-24 '57.

(MLBA 10:5)

1. Ivanovskiy gosudarstvennyy torfotrest.
(Pipe) (Bridges)

ALEKSEYEV, Ye.T.; APENCHENKO, S.S.; BASOV, A.P.; BAUSIN, A.F.; BERSHADSKIY, L.S.;
VELLER, M.A.; GINZBURG, L.N.; GUSEV, S.A.; DANILOV, G.V.; DOLGIKH, M.S.;
DRUZHININ, N.N.; YEFIMOV, V.S.; ZAVADSKIY, N.V.; IVASHECHKIN, N.V.;
KARAKIN, F.F.; KUZMAN, G.I.; LOBANOV, S.P.; MERKULOV, Ya.V.; NIKODIMOV,
P.I.; PANKRATOV, N.S.; PYATAKOV, L.V.; RODICHEV, A.F.; SMIRNOV, M.S.;
STRUKOV, B.I.; SAVOCHKIN, S.M.; SAMSONOV, N.N.; SINITSYN, N.A.; SOKOLOV,
A.A.; SOLOPOV, S.G.; CHELYSHEV, S.G.; SHCHEPKIN, A.Ye.

Fedor Nikolaevich Krylov; obituary. Torf. prom. 35 no.6:32 '58.

(MIRA 11:10)

(Krylov, Fedor Nikolaevich, 1903-1958)

KARAKIN, F.F., inzh.

Peat industry of the Ivanovo Economic Council and the 22d
Congress of the CPSU. Torf. prom. 38 no.7:4-5 '61.
(MIRA 14:12)

1. Ivanovskiy gosudarstvennyy torfotrest.
(Ivanovo Province--Peat industry)

KARAKIN, F.F.; RODICHEV, A.F.; PUTIY, G.P.; BASOV, A.P.; PYATAKOV, L.V.; RAUTSEP, A.P. [Rautsepp, A.]; BLAGONRAVOV, S.I.; GRECHIKHO, A.M.; DRUZHININ, N.N.; SHUKHMAN, D.I.; BAUSIN, A.F.; LOYKO, P.G.; CHERNAKOV, B.A.; SHORNIKOV, F.M.; SOPIN, P.F.

Remarks of the members of the Conference. Torf. prom. 37 no.5: 22-28 '60. (MIRA 14:10)

1. Ivanovskiy gosudarstvennyy torfotrest (for Karakin).
2. Sverdlovskiy torfotrest (for Rodichev).
3. Gosplan USSR (for Putiy).
4. Leningradskiy gosudarstvennyy trest torfyanoy promyshlennosti (for Basov).
5. Moskovskiy oblastnoy sovnarkhoz (for Pyatakov).
6. Gosudarstvennyy nauchno-tekhnicheskiy komitet Estonskoy SSR (for Rautsep).
7. Gar'kovskiy sovnarkhoz (for Blagonravov).
8. Belorusskiy sovnarkhoz (for Grechikho, Shukhman).
9. Yaroslavskiy sovnarkhoz (for Druzhinin).
10. Bobruyskaya mashinno-meliorativnaya stantsiya (for Loyko).
11. Gipromestprom Gosplana RSFSR (for Chernakov).
12. Mezhholkhozhnoye torfopredpriyatiye "Volosovskoye" Leningradskoy oblasti (for Shornikov).
13. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshlennosti (for Sopin).
(Peat industry)

KARAKIN, R.N., kand.tekhn.nauk

Resonance oscillations and their damping in traction networks
feeding rectifier electric locomotives. Trudy TSNII MPS no.201:106-
122'60. (MIRA 14:3)

(Electric railroads—Current supply)

KARAKIS, I., arkhitektör

Gallery-type apartment houses. Zhil.stroi. no.11:11-12 '58.
(MIRA 12:6)

(Apartment houses)

KARAKIS, I., arkhitekter

Nomenclature of gallery-type houses to be built in the Ukrainian
S.S.R. Zhil. stroi. no.2:22-23 '59. (MIRA 12:6)
(Apartment houses)

KARAKIS, I., arkhitektor

Experimental school in Kiev. Zhil.stroi. no.5:12-14 My '61.
(MIRA 14:6)

(Kiev--Schoolhouses)

AKHTEROV, Iosif Samoylovich; KARAKIS, Irma Iosifovna; SVESHNIKOV,
Oleg Aleksandrovich; KLEKOVKIN, M.P., red.; KIYANICHENKO,
N.S., red.; LEUSHCHENKO, N.L., tekhn. red.

[Furniture for one-family apartments] Mebel' dlia kvartir
odnosemeynogo zaselenia. [By] I.S.Akhterov i dr. Pod red.
M.P.Klekovkina. Kiev, Gosstroizdat USSR, 1962. 192 p.

(MIRA 17:1)

1. Akademiya budivnytstva i arkhitektury URSR. Instytut ar-
khitektury sporud. 2. Chlen-korrespondent Akademii stroitel'-
stva i arkhitektury Ukr.SSR (for Klekovkin).

BOL'SHAKOV, M.N., otv. red.; KARAKYEV, K.K., red.; BOL'SHAKOV, M.N., red.;
LUGOVOY, V.S., red.; KOVALENKO, B.G., red.; SPIRIDONOV, N.V., red.;
PANKOV, S.S., red.; ANOKHINA, M.G., tekhn. red.

[Basic materials of the First Republic Conference of Power Engineers
of Kirghizistan] Osnovnye materialy Pervogo Respublikanskogo sove-
shchaniia energetikov Kirgizii, Frunze, Izd-vo AN Kirgizskoi SSR, 1961.
74 p. (MIRA 14:11)

1. Respublikanskoye soveshchaniye energetikov Kirgizii. 1st, Frunze,
1960.

(Kirghizistan--Power engineering)

HEDRIKOVSKAYA, N.P.; KARAKIS, K.D.

Accumulation of nutrients in the soil under some types of forest stands. Biul. Glav. bot. sada no.57:82-89 '65. (MIRA 18:9)

1. TSentral'nyy respublikanskiy botanicheskiy sad AN UkrSSR, Kiyev.

KARAKIS, L. V., DUB, Ye.M., STETSYUK, G. A. and SOBOLEV, A. A.

"The Experience With Aviation Spraying For the Purpose of Extermination
of Insects in Forests", Military-Medical Journal No. 8, p 65, Aug 1955.

KARAKIS, L.V., podpolkovnik meditsinskoy sluzhby; DUB, Ye.M.

Work practice of camp parasitological detachments. Voen.-med. zhur.
no.7:59-63 J1 '56. (MLRA 9:11)
(PARASITOLOGY)

17(

SOV/177-58-5-13/30

AUTHOR: Tsapko, M.S., Colonel of the Medical Corps
Karakis, L.V., Lieutenant Colonel of the Medical
Corps, and Dub, Ye.M.

TITLE: Some Results of a Parasitological Exploration (Nekotoryye itogi parazitologicheskoy razvedki)

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 5, pp 60 - 62
(USSR)

ABSTRACT: The authors give the results of a 3-year parasitological reconnaissance for specifying the representatives of the Ixodidae family in military camps in various geographical zones such as woodlands, the forest-steppe and the steppe. Among the ticks in the woodlands, they identified predominantly Dermacentor marginatus, Ixodes ricinus and Dermacentor pictus; in the forest-steppe prevailed Ixodes ricinus, Rhipicephalus and Laelaps algericus, and in the steppe-Hyalomma scupense, Dermacentor marginatus and Rhipicephalus. The authors stress the importance of sy-

Card 1/2

KARAKIS, L.V., podpolkovnik med.sluzhby; DUB, Ye.M.

Entomological equipment. Voen.-med.shur. no.10:91-92 0 '58.

(MIRA 12:12)

(ENTOMOLOGY, appar. & instruments
(Rus))

PARFENOVA, A.I.; SITNIKOVA, L.V.; TSYGANKOVA, A.D.; KARAKISHISHEVA, T.I.

Combined method for obtaining aureomycin and vitamin B₁₂. Med.
prom. 11 no.8:10-12 Ag '57. (MIRA 10:11)

1. Moskovskiy zavod meditsinskikh preparatov No.1.
(AUREOMYCIN) (VITAMINS - B)

ACC NR: AP6035879 (A₁N) SOURCE CODE: UR/0413/66/000/020/0104/0104

INVENTOR: Gol'dat, S. Yu.; Sokolova, R. V.; Firsova, A. F.; Kadakova, L. P.; Parfenova, A. I.; Karakishisheva, T. I.; Stepanova, N. V.

ORG: none

TITLE: *Actinomyces aureofaciens* strain LSB-181, producing chlortetracycline and tetracycline. Class 30, No. 187242. [Announced by All-Union Scientific Research Institute for Antibiotics (Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov)]

SOURCE: Izobretaniya, promyshlennyye obrastey, tovarnyye znaki, no. 20, 1966, 104

TOPIC TAGS: antibiotic, drug, *Actinomyces aureofaciens*, chlortetracycline, tetracycline

ABSTRACT: An Author Certificate has been issued for strain LSB-181 of *Actinomyces aureofaciens*. Light-sensitive mycelia in 5—6 mm colonies appear on its tenth day of growth on no. 12 organic agar medium at 28C. On no. 11 synthetic medium, dirty-white colonies 2.5—3 mm in diameter appear, and on pea medium, brown, raised, wrinkled, as porulating colonies seven mm in diameter are found. Milk is completely peptonized on the tenth day, and coagulation is noted on the 15th day, at which

Card 1/2

UDC: 615.45:615.779.931

ACC NR: AP6035879

time the gelatin is also slightly liquified. The sporophores lack coils, and spores are rectangular and oval. Activity in laboratory conditions on regulation media with corn extract is of the order of 5000—5600 j/ml. Also, this strain is resistant to actinophages 22 and 22a. [WA-50]

SUB CODE: 06/ SUBM DATE: 28May65

Card 2/2

05010-67 EWT(m)/EWP(t)/ETI IJP(c) JD/DJ
ACC NR: AR6023333 (A) SOURCE CODE: UR/0273/66/000/003/0005/0006

AUTHOR: Karako, I. P.

TITLE: Causes of nonuniform wear of tractor-engine journals and bushings

SOURCE: Ref. zh. Dvigateli vnutrennego sgoraniya, Abs. 3.39.34

REF SOURCE: Sb. nauchn. tr. aspirantov. Belorussk. in-t mekhaniz. s. kh.
Minsk, 1965, 296-308

TOPIC TAGS: tractor engine journal, bushing, journal bushing, connecting rod bearing, internal combustion engine, piston engine, nonuniform wear, journal wear

ABSTRACT: The primary factor determining the pattern of the nonuniform wear along the circumference of journal bushings of connecting-rod bearings is the failure of the carrying capacity of the layer of lubricant in these bearings at instants when the crank passes the regions of the lower dead points, and of the upper dead point at the end of the exhaust stroke. The application of inertia forces of considerable magnitude and duration to the bearing during these periods of the cycle only increases the nonuniform wear and therefore is a secondary cause. The

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UDC: 621.432-242.43.044.62

L 05010-67

ACC NR: AR6023333

failure of the carrying capacity of the lubricant layer in connecting-rod bearings in the regions of the lower dead points of the cycle and the upper dead point at the end of the exhaust stroke depends on the characteristic design features of the slider crank mechanism itself. In this connection, it is expedient to investigate the effect of the parameters of this mechanism on the magnitude of the reduced angular velocity in a connecting-rod bearing and, consequently, also on the wear of journals and bushings of connecting-rod bearings of internal-combustion piston engines.
[Translation of abstract]

SUB CODE: 21/

Card 2/2 LC

KARAKO, I.P., inzh.

Effect of some parameters of crankgear mechanism on the wear of
connecting rod bearing. Trakt. i sel'khoz mash. no.2:12-15 F '65.
(MIRA 18:4)

1. Belorusskiy institut mekhanizatsii sel'skogo khozyaystva.

KARAKO, I.P., inzh.

Design of a fluid-friction bearing subjected to combined loading.
Vest.mashinostr. 45 no.3:23-27 Mr '65.

(MIRA 18:4)

KARAKOLEV, G.

C.A. V-48

Jan 10, 1954

Food

Gelation of pectin. I. Irreversible change in pectin during gelation. B. Ognyanov, G. Karakolev, and M. Marinov. *Annuaire fac. sci.-phys. et math. (Sofia)*, *Chimie* 47, 60-90 (1952) (German summary).—Gel (0.5 g.) from apple pectin (I) was dissolved in 20 ml. warm H₂O, the soln. boiled to initial wt., the surface covered with liquid paraffin and left to gel; 24 hrs. later the gel strength and the relative viscosity of its aq. soln. were detd. This process was repeated several times. The results show that strength and viscosity decrease with repetition of gelation. Besides hydrolysis of I, homopolar bonding through lactone and ester formation could be responsible for the thermally irreversible change. II. Effect of degree of esterification upon gelation. *Ibid.* 91-103.—Above 50% esterification (II) the gel strength (III) reaches a max. at 64%, the gelation rate (IV) decreases between 52 and 61% and increases above that, and the optimum acidity increases with II. Below 50% II: III and IV depend upon Ca content; below 35% II pectin cannot be esterified in the absence of Ca.

G. Meguerian

Chem

(2)

KARAKOLEV, G.

Ognianov, I., Karakolev, G., Marinov, M., "Some Peculiarities of Pectin in the Jelling Process; the Influence of the Degree of Esterification on the Jelling Process." p.91
(GODISHNIK, KHMIIA, Vol. 47, 1952, Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,
March 1954, Uncl.

KARAKOLEV, G.

"Relations between the hemostatic effect of pectin solutions and the degree of esterification of the pectin preparation used."

IZVESTIIA. SERIIA EKSPERIMENTALNA BIOLOGIJA I MEDITSINA, Sofia, Bulgaria, No. 4, 1958.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

KARAKOLOV, L.

KARAKOLOV, L. In the Moscow Krasni Proletarii Factory for Lathes.p.47.
Economy of the Federal People's Republic of Yugoslavia.
Tr. from the Russian. p.55.

Vol. 5, no. 2, 1956, TEZHKA PROMISHLENOST, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10.
Oct. 1956.

KARAKOLOV, L.

Economic basis for selecting the power of lathes.

P. 6, (Tezhka Promishlenost) Vol. 6, no. 3, Mar. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

KARAKOLOV, L.

Kinematic computation of gear boxes with two connected gear wheels. p. 15.

TEZHKA PROMISHLENOST. (Ministerstvo na tezhkata promishlenost) Sofia, Bulgaria.
Vol. 8, no. 6, June 1959.

Monthly List of East European Accessions EEAI) LC, Vol. 9, No. 2, Feb. 1960.
UNCL

KARAKOLEV, V.K.

Spravochnik po tsvetni metali i splavi.

Sofia, Bulgaria. Nauka i izkustvo, 1957. 451 p.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960. Uncl.

ENEV, N.; KARAKOSTOV, K.

Our experience with lumotomy according to Pressman. Khirurgiia,
Sofia 13 no.2-3:276-278 '60.

1. Iz khirurgichnogo otdeleniia pri I gr. obedinena bolnitsa - Sofia.
(KIDNEYS surg.)

KARAKOTSKIY, Ye.D.

BARANOV, Yu.B.; BARANOVA, Ye.N.; BOBROVSKIY, V.I.; GRISHCHENKO, G.I.;
GONCHAR, G.V.; DOLBISH, V.S.; KALINOVSKIY, V.S.; ~~KARAKOTSKIY, Ye.D.~~
KULICHKOV, G.M.; KAGANOVSKAYA, S.M.; LESTEV, A.V.; METELKIN, L.I.;
TIKHONRAVOV, V.M. [deceased]; DOLBISH, V.S., spetsred.; KUZ'MINA,
V.S., red.; KISINA, Ye.I., tekhn.red.

[Fishing equipment used in Far Eastern waters] Orudiia rybolovstva
Dal'nevostochnogo Basseina. Moskva, Fishchepromizdat, 1958. 214 p.
(MIRA 11:12)

(Soviet Far East--Fishing--Equipment and supplies)

KARAKOV, A. I.

Fishing -- Implements and Appliances

Application of the trawl in lake fishing, Ryb. khoz., 28 No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

GORSHKOV, G.I.; KARAKOV, D.T.; KIRYUKHIN, R.A.

Effect of cobalt chloride on smooth musculature of the intestine.
Farm. toks. 24 no.3:338-342 My-Je '61. (MIRA 15:1)

1. Kafedra farmakologii (zav. - dotsent M.I.Rabinovich) Troitskogo
veterinarnogo instituta.
(INTESTINES) (COBALT CHLORIDES)

KARAKOV, I.I.

BOGUSHNEVICH, Ye.N. (Moscow); SHEVMELEV, A.P. (Moscow); BORTNIKOV, V.B.
(Kishinev); NECHAYEV, G.A. (Leningrad); KARAKOV, I.I. (Kiyev);
KLOPOTOVSKIY, I.S. (Leningrad); GALAKHOV, G.K.; POSYSAYEV, N.S.
(Moscow).

Discussion on methods for determining the coefficient of prefabrication in construction. Stroit. prom. 36 no.6:38-45 Je '58.
(Precast concrete construction) (MIRA 11:6)

ELKIN, Yu.L., inzh.; PAVLOVSKIY, D.Ya., inzh.; SOROKIN, Ye.M., inzh.;
KARAKOVA, N.I., inzh.; SOLDATENKOV, S.I., inzh.; BARSUKOV, A.F.,
red.; PECHENKIN, I.V., tekhn.red.

[New tractors and agricultural machinery; results of tests conducted
in 1957] Novye traktory i sel'skokhoziaistvennye mashiny; rezul'taty
ispytaniy 1957 goda. Moskva, M-vo sel'skogo khoz.SSSR. No.1. 1959.
277 p. (MIRA 13:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.
(Tractors) (Agricultural machinery)

BOGDASHIN, A.S.; BOGORODSKIY, A.A.; VINGARIT, M.B.; GORBUNOV, V.I.;
GORBUNOV, V.R.; DUROV, V.K.; YERMAKOV, A.L.; IVANOV, A.A.;
KARAKOVA, N.I.; KOBLYAKOV, L.M.; KOZLOVSKIY, N.I.; MARAKHTANOV,
K.P.; MIRUMYAN, G.N.; NECHETOV, G.P.; NOVIKOV, A.G.; OL'KHOVSKIY,
K.I.; PESTRYAKOV, A.I.; POLAPANOV, A.V.; SKLIAREVSKAYA, Ye.Kh.;
SOLDATENKOV, S.I.; SOROKIN, Ye.M.; TRUSHINA, Z.V.; FEDOROV, P.F.;
FEDOSEYEV, A.M.; FROG, N.P.; SHAMAYEV, G.P.; YANOVSKIY, V.Ya.;
ORZKHOV, A.D., spetsred.; DEYEVA, V.M., tekhn.red.

[Handbook on new agricultural machinery] Spravochnik po novoi
tekhnike v sel'skom khoziaistve. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1959. 364 p. (MIRA 13:2)
(Agricultural machinery)

LASHKEVICH, A.M.; TERENT'YEVA, A.A.; IVANOVA, L.S.; BORODULINA, M.A.;
VELICHENKO, I.N.; NIKULENKO, V.S.; KONSHINA, T.I.; SHAKHOVA, T.P.;
NYASHINA, A.A.; YASINSKAYA, Z.A.; AGAL'TSEVA, N.B.; SEL'MENSKAYA,
Ye.G.; KRETSMER, V.L.; KONONOVICH, L.K.; FEDORAYEVA, A.M.; TKACHUK,
L.Ya.; VYATKINA, G.A.; SLOUSHCH, V.S.; RACHINSKAYA, L.N.; PORTNAYA,
R.Yu.; ~~KARAKOVSKAYA, E.M.~~; POKROVSKAYA, M.A.; KORNEVA, A.I.;
YERSHOVA, K.F., otv. red.; Prinimal uchastiye KAMANOV, M.I., red.;
LAGAREVA, A.P., otv. za vypusk; NIKITINA, I.P., tekhn. red.

[Economy of Novosibirsk Province; collection of statistics] Narodnoe
khoziaistvo Novosibirskoi oblasti; statisticheskii sbornik. Novo-
sibirsk, Gosstatizdat TsSU SSSR, 1961. 331 p. (MIRA 15:6)

1. Novosibirsk. Oblastnoye statisticheskoye upravleniye. 2. Na-
chal'nik Statisticheskogo Upravleniya Novosibirskoy oblasti (for
Yershov). 3. Zamestitel' nachal'nika Statisticheskogo Upravleniya
Novosibirskoy oblasti (for Kamanov).

(Novosibirsk Province—Economic conditions)

KARAKORUM, L.A.

Characteristics of the spring transition of the average daily
air temperature through 0° in the drainage area of the Kuybyshev
Reservoir. Sbor. rab. Koms. GOM no.5:156-169 '65. (MIRA 18:10)

BOZHEVOL'NOV, Ye.A.; KARAKOVSKAYA, O.A.

Chromatographic determination of an iron microimpurity in high-purity substances. Zav.lab.27 no.1:11-12 '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov.

(Microchemistry)

(Iron--Analysis)

KARAKOVSKAYA, O.A.; BOZHEVOL'NOV, Ye.A.

Determination of an iron microimpurity in high-purity substances
by the chromatographic method with o-phenanthroline. Trudy IREA
no.25:317-320 '63. (MIRA 18:6)

KARAKOVSKAYA, Ye.F.

Results of a general study of a railroad. Geog. v shkole 19 no.4:
52-53 J1-Ag '56. (MLRA 9:10)

1.Shkola no.15 goroda Kazani.
(Railroads)

MIKHAYLOV, V.V., doktor tekhn. nauk; GITMAN, F.Ye., kand. tekhn.
nauk; KARAKOVSKIY, A.K., inzh.

[Apartment houses of a frame-panel system] Zhilye zdaniia
ramno-panel'noi sistemy. Moskva, Stroiizdat, 1964. 101 p.
(MIRA 18:3)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
A																										B																									
<p>KARAKOL, A. 11F</p> <p>Effect of work in harness on the secretion and composition of cow milk. J. TAD- FER, A. KARAKOL AND S. KOLACEK. <i>Vestnik Českoslov. Akad. Zemědělsk. 8, 194-8</i> (1932).—The lactose and protein fall correspondingly with the fall in milk production, but the fat production is increased, so that the fall in total solids is smaller. The yield of good milkers is especially affected, but is usually normal after 32 hrs. B. C. A.</p>																																																			
<p>ASB-31A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

NIKOLAYEV, G.N., veterinarnyy vrach; KARAKOZ, A.I., veterinarnyy tekhnik

Tresting the falling of the vagina in cows. Veterinariia 37
no.10:59 0 '60. (MIRA 15:4)

1. Pervomayskiy veterinarnyy uchastok Krymskoy oblasti (for
Nikolayev). 2. Kolkhoz "Ukraina" (for Karakoz).
(Cows--Diseases and pests) (Vagina--Diseases)

KARAKOZ, Ivan Ivanovich; GRANOVSKIY, G.M., red.; TELEGINA, T.,
tekhn. red.

[Daily economic analysis of the work of enterprises]
Ezhednevnyi ekonomicheskii analiz raboty predpriatii.
Moskva, Gosfinizdat, 1963. 86 p. (MIRA 16:12)
(Industrial management) (Accounting)

KARAKOZ, Ivan Ivanovich; KOBA, M., red.; MIL'KIN, Yu., tekhn. red.

[How to use the production funds of an enterprise to a better advantage] Shliakhy krashechoho vykorystannia vyrobnychkh fondiv pidpryiemstva. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 35 p.
(MIRA 14:10)

(Industrial management)

BLIZNYUKOV, Yuriy Nikolayevich; KARAKOZOV, Eduard Arkad'yevich;
SMELYANSKIY, Fedor Andreyevich; SEROVA, Ye.I., vedushchiy
red.; POLOSINA, A.S., tekhn.red.

[Introducing new drilling equipment; practice of petroleum
workers of the Chechen-Ingush A.S.S.R.] Vnedrenie novoi
burovoi tekhniki; opyt nef'tianikov Checheno-Ingushskoi ASSR.
Moskva, Gos.nauchno-tekhn.izd-vo nef't. i gorno-toplivnoi
lit-ry, 1959. 92 p. (MIRA 13:1)
(Chechen-Ingush A.S.S.R.--Oil well drilling--Equipment and supplies)

L 10692-65 EPA/EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EPR/FCS(f) Pr-4/Ps-4/Pt-10/
Paa-4 AEDC(1)/AFTC(p)/RAEM(1)/AFETR/SSD/BSO/AFWL/SSD(1)/AED(1)/SSD(1)
ESD(s1) WW/JWD
ACCESSION NR: AP4044734 S/0207/64/000/004/0135/0136

AUTHOR: Karakozov, G. K. (Moscow); Rosnikhin, G. V. (Moscow)

TITLE: The mechanism of intensification of acoustic oscillations by the burning surface of a solid fuel

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1964, 135-136

TOPIC TAGS: combustion, solid propellant, explosive, propellant, combustion instability

ABSTRACT: The conditions under which acoustic oscillations in the combustion of solid propellants are intensified by the burning surface were analyzed by use of the model shown in Fig. 1 of the Enclosure. A layer is considered which is bounded by the surfaces designated as (-) and (+). The distance between the surfaces is constant. The surface (-) is situated in the gas phase at a point where the reaction is completed. The heat flux through this surface is given by a small value. The change in parameters to the left of this surface is considered to be isentropic. To the right of the surface (+), the gas is

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L 10692-65

ACCESSION NR: AP4044734

ideal and has a fixed chemical composition. Curve 1 shows the density distribution in the layer at steady-state combustion. Curve 2 represents the adiabatic density distribution in the presence of a rapid pressure increase caused by passage of the acoustic wave front. Curve 3 represents the steady-state density distribution at a new pressure. The following criterion was derived for the intensity of high-frequency acoustic oscillations:

$$\frac{p}{m\tau} \left\{ \left(\frac{\partial M}{\partial p} \right)_{\infty} - \left(\frac{\partial M}{\partial p} \right)_0 \right\} + \frac{k-1}{k} - \left(1 - \frac{p_+}{p_-} \frac{p}{p_- c_-^2} \right) > 0,$$

where p is the pressure, m is the mass flux, τ is the characteristic time for redistribution of the parameters in the considered layer during relaxation, M is the mass in the considered layer, ρ_- and ρ_+ are density fluxes in the surfaces $(-)$ and $(+)$, respectively, k is the adiabatic exponent of combustion products, and c_- is the sound velocity in the surface $(-)$. The subscript ∞ refers to the steady-state value, where ω is the frequency. Orig. art. has: 10 formulas, 1 figure.

ASSOCIATION: none

Card 2/4

L 10692-65

ACCESSION NO: AP4044734

SUBMITTED: 05Apr66

ATD PRESS: 3110

ENCLOSURE 01

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Card 3/4

L 10692-65

ACCESSION NR: AP4044734

ENCLOSURE. --

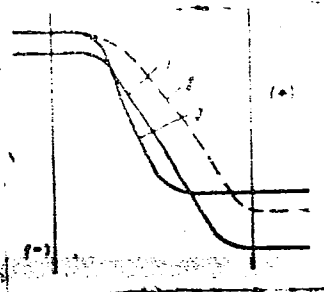


Fig. 1. Density distributions
between surfaces (-) and (+)

KARAKOZOV, I.G., zaslužennyy vrach RSFSR

The polyclinic is the leading link in the Soviet public health system. Sbor.nauch.-prak.rab.Poliklin.im.F.E.Dzerzh. no.2:5-10 '61. (MIRA 16:4)

(CLINICS)

KARAKOZOV, I.G., zasluzhennyi vrach RSFSR, red.; DOBRONRAVOV, V.A., zam. red.;
KARAKOZOV, I.G., otv. red.; GALANOVA, V.V., tekhn. red.

[Collection of works on research and practice of the F.E.Dzerzhinskii
Polyclinic] Sbornik nauchno-prakticheskikh rabot. Moskva, Medgiz.
No.2. 1961. 239 p. (MIRA 14:8)

1. Moscow. Poliklinika im. F.E.Dzerzhinskogo.
(MEDICINE, INTERNAL) (PUBLIC HEALTH)

KARAKOZOV, M.

Chute for machined shavings. Nauka i zhizn' 22 no.9:51 S'55.
(Machine tools) (MLM 8:12)

KARAKOZOV, N.I.

Tobacco Manufacture and Trade

Annual schedule of production for tobacco factories. Tabak 13, no. 3, 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

ACC NR: AR6020712

SOURCE CODE: UR/0273/66/000/002/0034/0034

AUTHOR: Karakozov, V. M.

TITLE: Investigation of some parameters of carburetor engines during operation on gas condensates

SOURCE: Ref zh. Dvig vnutr sgor, no. 2, abs. 2.39.285

REF SOURCE: Tr. molodykh uchenykh. (Materialy Mezhvuz. konferentsii). Saratovsk. politekhn. in-t. Vyp. tekhn. Saratov, 1965. 40-46

TOPIC TAGS: internal combustion engine, gasoline engine, liquid fuel, motor vehicle gasoline

ABSTRACT: Gas condensates from many deposits are close to automotive gasoline in physical and chemical properties. Gas condensates from the Bagayevo, Goryuchkinsk, Peschano-Umet'sk, Uritsk and Aleksandrovsk deposits are full-value substitutes for gasoline and may be used as fuel in carburetor engines in pure form without preliminary processing but after stabilization. Engines operating on these gas condensates do not require additional carburetor regulation, with power and economic indices remaining practically identical to those for gasoline. Engine wear with operation on gas condensates is an average of 15% lower than on gasoline. [Translation of abstract]

SUB CODE: 13,21
Card 1/1

UDC: 621.434.001.5

AYDON'KIN, F. N., kand. tekhn. nauk; KARAKOZOV, V. M.

Investigating the effect of fuel on the wear of engine. Avt.
prom. 28 no.6:11-12 Je '62. (MIRA 16:4)

1. Saratovskiy politekhnicheskii institut.

(Gas and oil engines—Fuel systems)

TASHMUKHAMEDOV, I.; ZAKHAROV, V.A.; KARAKOZOVA, A.A.; STEPANOVA, M.Ya.;
AMEDZHANOV, A.

Prescriptions filled at pharmacies of the therapeutic institutions
of Tashkent. Apt. delo 14 no.5:72-76 S-O '65.

(MIRA 18:11)

1. Tashkentskiy farmatsevticheskiy institut.

NODEL', Bella Izrailevna; KARAKOZOVA, N.Sh., red.; EL'KINA, E.M.,
tekhn.red.

[Acceptance of foodstuffs by quantity and quality] Priemka
prodovol'stvennykh tovarov po kolichestvu i kachestvu. Moskva,
Gos.isd-vo torg.lit-ry, 1961. 100 p.

(MIRA 14:4)

(Food industry) (Delivery of goods)

ANFIMOV, A., kandidat tekhnicheskikh nauk; GRACHEVA, R., inzhener; KARAKOZOVA,
V., inzhener.

Progressive methods of work in skinning. Mias.ind.SSSR 25 no.2:5-11 '54.

(MLRA 7:5)

(Hides and skins)

KARAKOZOVA, V.

KARAKOZOVA, V., insh.

Economic efficiency of the use of universal conveyers. Mias. ind.
SSSR 28 no.5:48-49 '57. (MIRA 11:1)
(Slaughtering and slaughterhouses--Equipment and supplies)
(Conveying machinery)

АХАХОВ, В.В.

SHNITSER, S.S., kandidat ekonomicheskikh nauk; KARAKOZOVA, V.V.; KAPLAN,
N.M.; GUREVICH, A.I.

Comparative economic effectiveness of building meat enterprises
of different capacities. Trudy VNIIMS no.6:127-139 '54. (MLRA 10:8)
(Meat industry)

KARAKOZOVA, V.

It is indispensable to lower the norms of the reimbursement of organizational and overhead expenses to the cattle procurement enterprises.
Mias.ind.SSSR 33 no.5:44-45 '62. (MIRA 15:12)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Meat industry)

ZENENKO, N.V.; KARAKOZOVA. V.V.

Efficient organization of beef cattle processing for meat supply
for the population of Moscow. Izv. vys. ucheb. zav.; pishch. tekhn.
no.2:9-12 '63. (MIRA 16:5)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti, kafedra ekonomiki promyshlennosti.
(Moscow—Meat industry)

VASILEVSKAYA, A.Ye.; SHCHERBAKOV, V.P.; KARAKOZOVA, Ye.V.

New method for the determination of mercury in coals. Zhur.anal.khim.
19 no.10:1200-1203 '64. (MIRA 17:12)

1. Institute of Mineral Resources, Simferopol.

KARAKULA, M. U.

LADZHENSKIY, B.N.; KARAKULA, M.V.

Osnovnosti vyplavki malouglerodistykh legirovannykh
stalей v kislykh mart. osnovnykh poobrazh.

Report submitted for the 5th Physical Chemical Conference on
Steel Production.

Moscow — 30 JUN 78

KARAKULA, M. V.

Cand Tech Sci - (diss) "Study of the effect of smelting technology on the properties of G13L steel." Moscow, ONTI Central Scientific Research Inst for Machine Technology, 1961. 14 pp; (Academy of Sciences USSR, Inst of Metallurgy imeni A. A. Baykov); 150 copies; price not given; (KL, 5-61 sup, 189)

KARAKULH, M.V.

PHASE I BOOK EXPLOITATION

SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th,
Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii
(Physicochemical Bases of Steel Making; Transactions of the
Fifth Conference on the Physicochemical Bases of Steelmaking)
Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted.
3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni
A. A. Baykova.

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy
of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg.
Tech. Ed.: V. V. Mikhaylova.

Card 1/16

SOV/5411

Physicochemical Bases of (Cont.)

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

Card 2/16

Physicochemical Bases of (Cont.)

SOV/5411

Ladyzhenskiy, B. N. , and M. V. Karakula. Making Low-Carbon Alloyed Steels in Acid Open-Hearth Furnaces

27

Stroganov, A. I. , and A. N. Morozov. Behavior of Chromium in the Bath of a Basic Open-Hearth Furnace

39

Petukhov, B. G. Making Chromium-Nickel Steels in Large Open-Hearth Furnaces With the Use of Nickel Oxide

46

Omarov, A. K., and A. Ye. Khlebnikov. Intensifying the Working Period of the Open-Hearth Scrap Process

54

[The following persons participated in the research work:
Engineer Munasypova, Engineer T. Kovaleva, and Technicians
U. Rakhmanulov, V.V. Ponomareva, L. Rusnyak, Z. Zaporozhan,
A. Perkova, S. Bilyalova, and V. Guseva.]

Card 4/16

MOLDAVSKIY, O.D.; KARAKULA, M.V.; KULINICH, V.P.

Improving the quality of G13L steel. Lit.proizv. no.11:4-7 N '62.
(MIRA 15:12)

(Manganese steel—Metallurgy)

PARFENOV, L.I.; KARAKULA, M.V.

Effect of cerium on the wear resistance of G13L steel. Lit.
proizv. no.10:8-9 0 '64. (MIRA 18:4)

FIRKOWSKI, Ryszard; GAWIN, Jerzy; JABLONSKI, Zdzislaw; JATCZAK, Jerzy;
KARAKULA, Szczepan; ZAWADZKI, Aleksander

Distance measurements of the cores of extensive air showers
from the center of detector systems by using the density
gradient method. Nauki matemat. przyrod. Lodz no. 15: 113-125
'63.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

KARAKULA, Szczepan; WDOWCZYK, Jerzy

The Meson content in a photon-electron cascade initiated
by a primary photon of energy 10^{15} eV. Acta physica Pol
24 no.2:231-242 Ag '63.

1. Department of Experimental Physics, University, Lodz.

TIKHONOV-BUGROV, Ye.D.; KARAKHLEV, A.V., kand.tekhn.nauk, nauchnyy red.;
VASIL'YEV, A.V., red.izd-vs; GURDZHIYEVA, A.M., tekhn.red.

[Technical progress in mechanical engineering] Tekhnicheskii
progress v mashinostroenii. Leningrad, Ob-vo po rasprostraneniui
polit. i nauchn.znaniy RSFSR, 1960. 28 p.

(MIRA 13:11)

(Mechanical engineering)

KARAKULEV, A.V., kand. tekhn. nauk; ZAKHAROV, N.Ye., inzh., retsenzent;
SPERANSKAYA, O.V., tekhn. red.

[Diesel hammers] Dizel'-moloty. Moskva, Mashgiz, 1963. 170 p.
(Hammers) (MIRA 16:10)

BEREZIN, Boris Prokop'yevich, kand.tekhn.nauk; SEYGEL', Iosif Afroimovich,
kand.tekhn.nauk; KARAKULEV, A.V., kand.tekhn.nauk, nauchnyy red.;
VASIL'YEV, A.V., red.isd-va; GURDZHIYEVA, A.M., tekhn.red.

[Machine-tool construction in the U.S.S.R.] Stankostroenie v SSSR.
Leningrad, Ob-vo po rasprostraneniю polit. i nauchn.znaniy RSFSR.
Leningr.otd-nie, 1960. 43 p. (MIRA 14:4)
(Machine tool industry)

24820

S/081/61/000/011/016/040

E105/B203

15 8050

AUTHORS:

Bondarenko, A. V., Karakuleva, G. I., Kut'in, A. M.,
Farberov, M. I.

TITLE:

Synthesis of vinyl xylenes on the basis of xylenes and
ethylene

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 11, 1961, 190, abstract
11491 (Uch. zap. Yaroslavsk. tekhnolog. in-ta, 1960, 5,
79-89)

TEXT: In the alkylation of m-xylene (I) by means of ethylene (molar ratio
2 : 1), the minimum yield (~1% by weight of the resulting alkylate) in
products of disproportionation (PD) with the boiling point 145-180°C
[CH₃C₆H₄C₂H₅, (CH₃)₃C₆H₃] was obtained at 80-85°C and with 2% AlCl₃, while
the yield in ethyl xylene (II) was ~30%, or 95-97% of the reacted (I),
respectively. The polyproducts are smoothly dealkylated to (II) under the
conditions of the main reaction. The effect of temperature and AlCl₃
concentration on the PD yield was studied. Vinyl xylene (yield 20-25%)
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24820

S/081/61/000/011/016/040
B105/B203

Synthesis of vinyl xylenes on the ...

referred to the passed-through, or 70-75% to the decomposed (II)) is obtained by dehydrogenation of (II) on the catalyst K-10 (K-10) (87.6% ZnO, 10.95% Cr₂O₃, 0.56% SiO₂, 0.45% Al₂O₃, 0.44% K₂O) at 600°C, and dilution by water vapor in a molar ratio of 1 : 12 during a contact time of 0.35-0.4 sec. The effect of temperature, contact time, and character of the catalyst on the dehydrogenation process of (II) was studied. [Abstracter's note: Complete translation.]

Card 2/2

ACCESSION NR: AT4029923

S/3087/62/001/000/0091/0099

AUTHOR: Bondarenko, A. V.; Farberov, M. I.; Karakuleva, G. I.; Komolova, G. A.;
Tikhvinskaya, M. Yu.

TITLE: Synthesis of di-tert-butylbenzoic acid

SOURCE: Yaroslavl'. Tekhnologicheskii institut. Khimiya i khimicheskaya
tekhnologiya, vol. 1 (8), 1962, 91-99

TOPIC TAGS: benzoic acid, isobutylene, toluene, polymerization, emulsifier, sur-
face active substance, alkali metal

ABSTRACT: Di-tert-butylbenzoic acid is a product which previously has not been produced and has not been used on industrial scales. Only short references have been made to the possibility of its synthesis. The authors suggest that the manufacture of di-tert-butylbenzoic acid is feasible from inexpensive raw material; toluene and isobutylene. This was done in three stages. It was shown that a convenient method of obtaining di-tert-butyltoluene is the disproportioning of tert-butyltoluene in the presence of aluminum chloride in the continuous extraction of toluene (in order to shift the equilibrium of the reaction). Such a method assures a yield of the object product on the order of 90% for the converted tert-butyltoluene from the theoretic. By means of the liquid phase of oxidation di-tert-butyltoluene

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ACCESSION NR: AT4029923

in the presence of a catalyst it was possible to obtain a high-yield of di-tert-butylbenzoic acid. Di-tert-butyltoluene and di-tert-benzoic acid were separated and characterized. The salts of alkali metals of di-tert-benzoic acid were good emulsifiers in the processes of emulsion polymerization. Orig. art. has: 2 figures and 5 tables.

ASSOCIATION: Yaroslavskiy tekhnologicheskii institut i nauchno-issledovatel'skiy institut monomerov dlya SK (NIIMSK) (Yaroslavl technological institute and scientific research institute of monomers for SK (NIIMSK))

SUBMITTED: 00

DATE ACQ: 29Apr64

ENCL: 00

SUB CODE: CH

NO REF SOV: 003

OTHER: 002

Cord 2/2

KARAKULEVA, G.I.; BONDARENKO, A.V.; FARBEROV, M.I.; SMIRNOVA, Z.V.

Production of alkyl naphthalenes. Neftekhimiia 5 no.6:856-862
N-D '65. (MIRA 19:2)

1. Nauchno-issledovatel'skiy institut monomerov dlya sinteti-
cheskogo kauchuka i Yaroslavskiy tekhnologicheskiiy institut.
Submitted Jan. 26, 1965.

KARAKULIN, B. P.

"Relationship of the Conidial Stages of *Septomyxa* and *Parsonima* on Maple Trees and Their Connection with the Ascomycetic Stage of *Gnomonia cerastis* (Reiss.)," Bolezni Rastenii, Vestnik Otdela Fitopatologii Glavnogo Botanicheskogo Sada SSSR, vol. 14, 1925, pp. 73-31. 464.3 Z6 (B.P.I. Translation 1118)

SO: SIRA, SI 90-53, 15 December 1953

KARAKULIN, B. P.

"Contribution to the Characterization of the Genus Gloesporium," Bolezni Rastenii, Vestnik Otdela Fitopatologii Glavnogo Botanicheskogo Sada SSSR, vol. 16, 1927, pp. 54-60. 464.8 Z6 (B.P.I. Translation 343)

SO: SIFA, SI 90-53, 15 December 1953

K. KAROLIN, D. I.

"Notes on Experiments in the Study of the Extent of Injury Done by Plant Disease, by Means of Artificial Infection," Bolezni Rastenii, Vestnik Otdela Fitopatologii Glavnogo Botanicheskogo Sada SSSR, vol. 19, no. 1-2, 1930, pp. 1-3 464.3 Z6

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